

FILE NOTATIONS

Entered in NID File ☒
 Entered on S.R. Sheet ☐
 Location Map Pinned ☐
 Card Indexed ☒
 IWR for State or Fee Land ☐

Checked by Chief ☐
 Copy NID to Field Office ☐
 Approval Letter ☐
 Disapproval Letter ☐

COMPLETION DATA:

Date Well Completed
 OW WW TA
 GW OS PA

Location Inspected
 Bond released
 State of Fee Land

LOGS FILED

Driller's Log

Electric Logs (No.)

E I E-I GR GR-N Micro
 Lat Mi-L Sonic Others

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

720 S. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1023' FNL, 1509' FEL

NWNE

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 22 miles NW of Mack, CO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1916

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3925

Extra

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5307' GR

22. APPROX. DATE WORK WILL START*

Upon receipt of approved APD

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 7/8"	7"	23#, K-55	± 300'	Sufficient to circulate to surface
6 1/4"	4 1/2"	10.5#, K-55	± 3925'	Sufficient to cover all possible productive zones.

(SEE ATTACHED DRILLING PROGRAM)

RECEIVED
JUN 25 1980APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 6-30-80

BY: M.J. Winder

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED J. D. TRAYWICK

TITLE ADMINISTRATIVE SUPERVISOR

DATE 2-13-80

(This space for Federal or State office use)

PERMIT NO. 43-019-30661

APPROVAL DATE

E. W. GUYNN
DISTRICT ENGINEERAPPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUN 24 1980

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

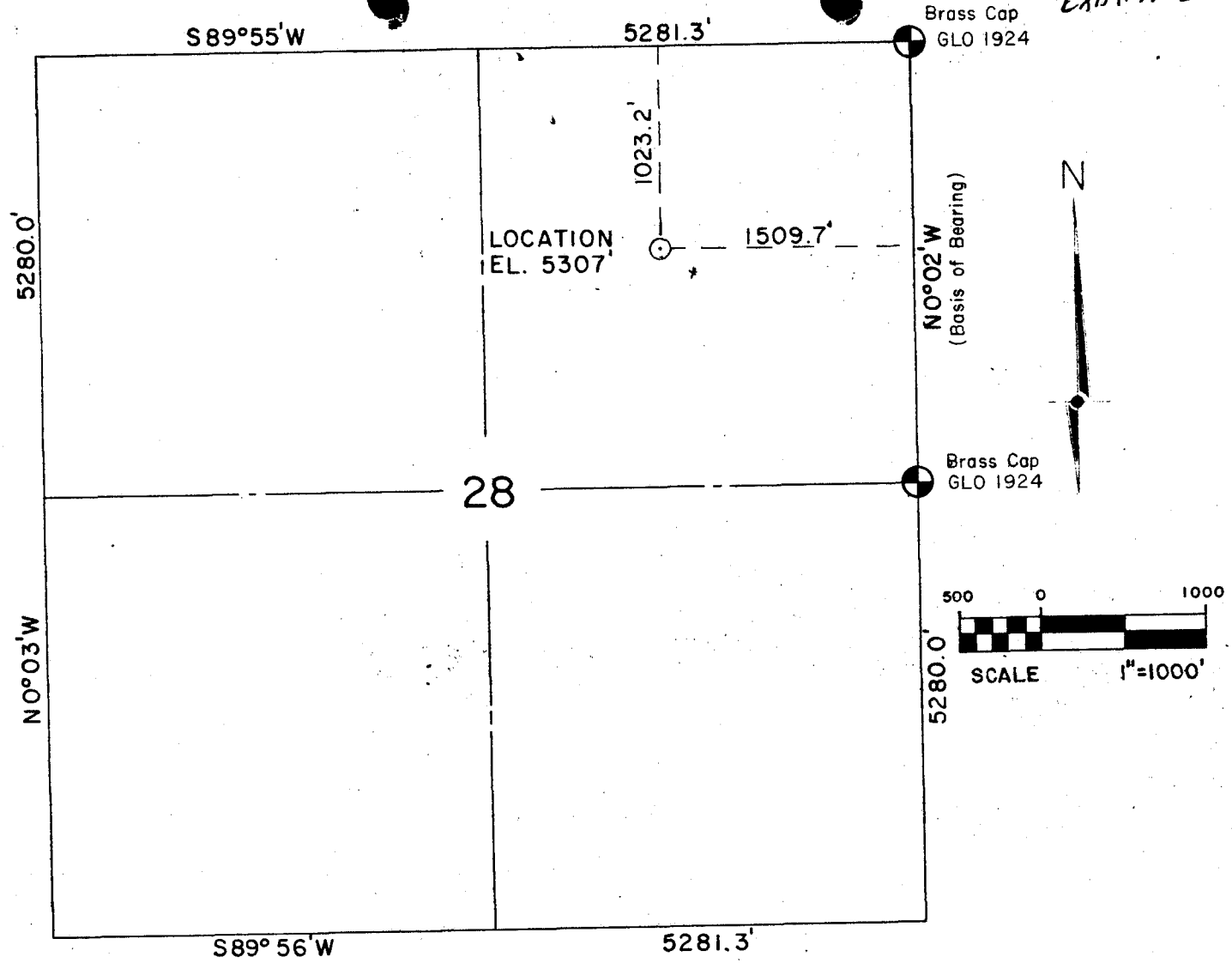
NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

wt. State O+G

EXHIBIT I



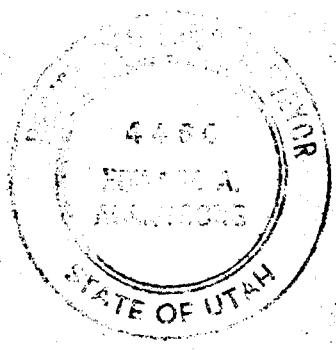
WELL LOCATION

1023.2 FT. S. N. L. - 1509.7 FT. W. E. L.
SECTION 28, T. 17 S., R. 25 E., S. L. M.
GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong
EDWARD A. ARMSTRONG L.S. 4464



	ARMSTRONG ENGINEERS ENGINEERING - SURVEYING CONCRETE & SOILS TESTING		
	SCALE 1"=1000'	TENNECO OIL CO.	
	DATE 12/14/79	GLISSON 28-2	
	DRAWN BY DRS	SHEET 1 of 5	
	CHECKED BY JHL	JOB NUMBER 792598	
DATE OF SURVEY 12/11/79			

Oil and Gas Drilling

EA No. 278-80

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

USUAL ENVIRONMENTAL ASSESSMENT

Date May 21, 1980

Operator Tenneco Oil Company Well No. Glisson 28-2
Location 1023' FNL 1509' FEL Section 28 Township 17S Range 25E
County Grand State Utah Field/Unit West Bar X
Lease No. U-40049 Permit No. _____

Prepared by: Greg Darlington
Environmental Scientist
Grand Junction, Colorado

Joint Field Inspection Date: April 17, 1980

Field Inspection Participants, Titles, and Organizations:

<u>Lee Freeman, Joe Rush</u>	<u>Tenneco Oil</u>
<u>James Luke</u>	<u>Armstrong Engineering</u>
<u>Leonard Lewis, Dallas Galley</u>	<u>Galley Construction</u>
<u>Bill Buniger</u>	<u>Buniger Construction</u>
<u>Elmer Duncan</u>	<u>Bureau of Land Management-Moab</u>
<u>Greg Darlington</u>	<u>U. S. Geological Survey-Vernal</u>

Related Environmental Documents:

BLM-Moab, Book Mountain Unit Resource Analysis.

Admin Compel ?
P&G 165 X 310
Pit 25 X 75
Pit 25 X 150
1200' X 20' improve exist road
12/10 ac
C/O survey (300')
182

DESCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah
 County: Grand

1023 ' FNL 1509 ' FEL, NW $\frac{1}{4}$ NE $\frac{1}{4}$

Section 28, T17S, R25E, SLM

2. Surface Ownership Location: Public
 Access Road: Public

Status of Reclamation Agreements: Rehabilitation plan judged as adequate.
 Problems hampering restoration: a) Area subject to short growing season, and
 b) limited precipitation during growing season.

3. Dates APD Filed: 2/19/80
 APD Technically Complete: 3/07/80
 APD Administratively Complete: 3/07/80

4. Project Time Frame Starting Date: Upon receipt of approved APD.
 Duration of drilling activities: 12 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseedling would normally occur within one year; revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

None known

6. Nearby pending actions which may affect or be affected by the proposed action:

None known

7. Status of variance requests:

None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 165' wide x 310' long, a flare pit 25' x 75', and a reserve pit 25' x 150', included on the pad, would be constructed. Approximately 1200 feet of existing road would be improved to 20' wide from a maintained road. 1.2 acres of disturbed surface would be associated with the project through renewed disturbance of a rehabilitated former pad location). This location had a pad built on it in 1977 but the APD expired before the well was drilled.

2. Drilling would be to a proposed depth of 3925'.
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons

Details of the proposed action are described in the Application for Permit to Drill.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography - Regional topography is flat desert and rolling hills grading to the talus-flanked Book Cliffs. The particular location is on the fairly flat top of a small ridge. Abundant juniper and pinon surround the rehabilitated pad where drilling is proposed.

PARAMETER

A. Geology - Surface is Mancos Shale. Other formations are listed in the 10-Point Subsurface Plan.

Information Source: Application to Drill.

1. Other Local Mineral Resources to be Protected: None expected of any significance.

Information Source: Mineral Evaluation Report

2. Hazards:

- a. Land Stability: Location and access built on Mancos Formation. Material is stable, provided the slopes are moderate and moisture content is low.

Information Source: Application to Drill.

- b. Subsidence: Subsidence can occur with the withdrawal of oil, gas, and/or water.

Information Source: Keller, Edward A., 1976, Environmental geology, Charles E. Merrill, 488 pp.

- c. Seismicity: The location is in an area of moderate seismic risk.

Information Source: Geologic Atlas of the Rocky Mountain Region, 1972, "Earthquakes of Record and Interpreted Seismicity 1852-1969," Rocky Mountain Association of Geologists.

- d. High Pressure Zones/Blowout Prevention: No high pressure zones expected. Blowout prevention systems detailed in APD.

Information Source: Application to Drill.

B. Soils

1. Soil Character: No detailed soil surveys done in area. Changes in soil fertility, horizons, slope stability, etc., cannot be predicted. Soils are considered nitrogen-poor, alkalic soils that support the salt-desert community.

Information Source: BLM-Moab, Book Mountain Unit Resource Analysis.

2. Erosion/Sedimentation: Erosion/sedimentation would increase as would runoff potential. Extent of increases unpredictable without site-specific studies being done.

Information Source: G. Darlington, Environmental Scientist, USGS.

- C. Air Quality - Wellsite lies in Class II attainment area. No Class I attainment areas are near, or adjacent to, proposed location.

Information Source: Field observation.

- D. Noise Levels - Ambient noise levels temporarily elevated. Personnel safety could be jeopardized. Wildlife would avoid area.

Information Source: Field observation.

E. Water Resources

1. Hydrologic Character

- a. Surface Waters: The location drains to the south and proceeds to the Colorado River through generally nonperennial drainages. The water supply source is from Bill Buniger's Highline Canal Use Permit.

Information Source: Field observation and Application to Drill.

- b. Groundwaters: Usable water is possible in Mancos Sands.

Information Source: Mineral Evaluation Report.

2. Water Quality

- a. Surface Waters: The location is not near any surface waters. The pits would be placed on the uphill side of the pad and efforts would be made to protect the environment through proper pad construction.

Information Source: Field observation.

b. Groundwaters: Operator proposes 300' of surface casing. Commingling of drilling fluids with potentially usable water could render groundwater unusable. Pits would be unlined.

Information Source: Field observation and Application to Drill.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the comments received from the Moab District Bureau of Land Management on May 2, 1980, we determine that there would be no effect on endangered and threatened species and/or their critical habitat.

2. Flora: Vegetation at the location consists mainly of native grasses on the pad and a considerable stand of juniper and pinon surrounding the pad. Some pad enlargement will take place (50-100' on each side). Vegetation removal reduces wildlife habitats and food sources. Deer are known to winter in the area. No known migratory bird nesting areas, strutting or breeding grounds, or fish-spawning areas would be impacted by proposed action.

Information Source: Field observation.

3. Fauna: Antelope, mule deer, rabbits, small rodents, squirrels, and various birds such as quail, pheasants, raptors, crows, magpies, and jays may be found in this general area.

Information Source: G. Darlington, Environmental Scientist, USGS.

G. Land Uses

1. General: Oil and gas operations, recreation, and grazing are major land uses. Amount and quality of land available to livestock, wildlife, and recreationists would be reduced during well life.

Information Source: Field observation.

2. Affected Floodplains and/or Wetlands: None

Information Source: Field observation.

H. Aesthetics: Operation would not blend with natural surroundings. Most likely unappealing to recreationists. Impact duration: life of well.

Information Source: Field observation.

I. Socioeconomics: The effect of one well on local and regional population and economy would be considered minor. If major discovery, then consider: Population increase, community services taxed, resources depleted, cumulative impacts multiply, pipelines and transportation routes expand.

Information Source: G. Darlington, Environmental Scientist, USGS.

J. Cultural Resources Determination: Based on the comments received from the Moab District Bureau of Land Management on May 2, 1980, we determine that there would be no effect on cultural resources subject to their statement that "the archaeological requirement has been fulfilled on this location."

Information Source: BLM Stipulation Letter

K. Adequacy of Restoration Plans: Rehabilitation plan judged as adequate. Problems hampering restoration: a) Area subject to short growing season and b) limited precipitation during growing season.

Information Source: David Oberwager, Env. Spec. (Reclamation), USGS-AOSO.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:
 - a. About 1.2 acres of vegetation would be removed, increasing and accelerating erosion potential.
 - b. Pollution of groundwater systems ^{could} would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
 - c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
 - d. The potential for fires, leaks, spills of gas and oil or water exists.
 - e. During construction and drilling phases of the operation, noise and dust levels would increase.
 - f. Distractions from aesthetics during the lifetime of the project would exist.
 - g. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Colorado River would exist through leaks and spills.

h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of an irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

2. Conditional approval

a. All adverse impacts described in section one above would occur.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

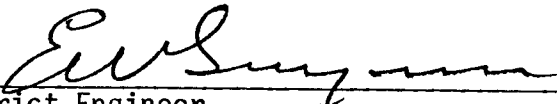
1. See attached Lease Stipulations. (Attached to APD)
2. See attached BLM Stipulations.

Controversial Issues and Conservation Division Response: None are involved at present.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102(2)(C).



District Engineer
U. S. Geological Survey
Conservation Division
Oil & Gas Operations
Salt Lake City District

5/27/80

Date

SEED MIXTURE

Species

Rate

Grasses

lbs./acre

Oryzopsis hymenoides
Hilaria jamesii

Indian Ricegrass
Curley Grass

1
1

Forbs

Sphaeroclea coccinia

Globemallow

1

Shrubs

Atriplex canescens
Cercocarpus lanata

Four-wing Saltbush
Winterfat

1
1

5

Glenn

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-40049

OPERATOR: Tenneco Oil Co.

WELL NO. 28-2

LOCATION: $\frac{1}{2}$ NW $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 28, T. 17 S., R. 25 E., SIM

Grand County, Utah

1. Stratigraphy: Operator projected tops appear reasonable

Surface- Mancos
3085- Dakota
3290- Morrison
3875- Entrada

2. Fresh Water: Usable water possible in Mancos sands.

3. Leasable Minerals: None expected of any significance

4. Additional Logs Needed: APD proposed program is adequate

5. Potential Geologic Hazards: None anticipated

6. References and Remarks: Within 1 mile of Bar-X field KGS

REF: USGS Files, Salt Lake City, Utah, USGS Map, I-736..

12 MAR REC'D

Signature: *Glenn L. L...*

Date: 03 - 03 - 80

UNITED STATES DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE

WILDERNESS PROTECTION STIPULATION

By accepting this lease, the lessee acknowledges that the lands contained in this lease are being inventoried or evaluated for their wilderness potential by the Bureau of Land Management under section 603 of the Federal Land Policy and Management Act of 1976, 90 Stat. 2743, 2785 (43 U.S.C. Sec. 1782).

Until the BLM determines that the lands covered by this lease do not meet the criteria for a wilderness study area as set forth in section 603, or until Congress decides against the designation of lands included within this lease as "wilderness," the following conditions apply to this lease, and override every other provision of this lease which could be considered as inconsistent with them and which deal with operations and rights of the lessee:

1. Any oil or gas activity conducted on the leasehold for which a surface use plan is not required under NTL-6 (for example; geophysical and seismic operations) may be conducted only after the lessee first secures the consent of the BLM. Such consent shall be given if BLM determines that the impact caused by the activity will not impair the area's wilderness characteristics.
2. Any oil and gas exploratory or development activity conducted on the leasehold which is included within a surface use plan under NTL-6 is subject to regulation (which may include no occupancy of the surface) or, if necessary, disapproval until the final determination is made by Congress to either designate the area as wilderness or remove the section 603 restrictions.

If all or any part of the area included within the leasehold estate is formally designated by Congress as wilderness, oil and gas exploration and development operations taking place or to take place on that part of the lease shall become subject to the provisions of the Wilderness Act of 1964 which apply to national forest wilderness areas, 16 U.S.C. Sec. 1131 et seq., as amended, the Act of Congress designating the land as wilderness, and Interior Department regulations and policies pertaining thereto.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Area Oil and Gas Supervisor or
District Engineer (Address, include zip code)

SURFACE DISTURBANCE STIPULATIONS

Management Agency (name)

See reverse side.

Address (include zip code)

See reverse side.

1. Notwithstanding any provision of this lease to the contrary, any drilling, construction, or other operation on the leased lands that will disturb the surface thereof or otherwise affect the environment, hereinafter called "surface disturbing operation," conducted by lessee shall be subject, as set forth in this stipulation, to prior approval of such operation by the Area Oil and Gas Supervisor in consultation with appropriate surface management agency and to such reasonable conditions, not inconsistent with the purposes for which this lease is issued, as the Supervisor may require to protect the surface of the leased lands and the environment.

2. Prior to entry upon the land or the disturbance of the surface thereof for drilling or other purposes, lessee shall submit for approval two (2) copies of a map and explanation of the nature of the anticipated activity and surface disturbance to the District Engineer or Area Oil and Gas Supervisor, as appropriate, and will also furnish the appropriate surface management agency named above, with a copy of such map and explanation.

An environmental analysis will be made by the Geological Survey in consultation with the appropriate surface management agency for the purpose of assuring proper protection of the surface, the natural resources, the environment, existing improvements, and for assuring timely reclamation of disturbed lands.

3. Upon completion of said environmental analysis, the District Engineer or Area Oil and Gas Supervisor, as appropriate, shall notify lessee of the conditions, if any, to which the proposed surface disturbing operations will be subject.

Said conditions may relate to any of the following:

- (a) Location of drilling or other exploratory or developmental operations or the manner in which they are to be conducted;
- (b) Types of vehicles that may be used and areas in which they may be used; and
- (c) Manner or location in which improvements such as roads, buildings, pipelines, or other improvements are to be constructed.

For all counties in Utah except San Juan County:

Area Oil and Gas Supervisor
Geological Survey,
P. O. Box 2859
Casper, Wyoming 82601

For San Juan County:

Area Oil and Gas Supervisor
Geological Survey,
P. O. Box 26124
Albuquerque, New Mexico 87125

Form 3109-5 (August 1973)



United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

April 30, 1980

Memorandum

To: Oil & Gas Office, USGS Conservation Division,
P.O. Box 3768, Grand Jct., CO 81502

From: Area Manager, Grand

Subject: Tenneco Oil Company
Glisson 28-2, Lease U-40049
NWNE, Section 29, T. 17 S., R. 25 E., SLB&M
Grand County, Utah

02 MAY REC'D

Greg Darlington

On April 17, 1980, a representative from this office met with ~~Glen Doyle~~, USGS, and Lee Freeman agent of Tenneco Oil Company for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location and a copy is attached for your files. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Tenneco Oil Company.

C. Delano Backus

Enclosures: (2)
1-Reclamation Procedures
2-Seed Mixture



Save Energy and You Serve America!

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 24 hours prior to beginning construction of access road and pad.

Stockpile the surface twelve inches of topsoil in a wind-row on the east side of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from subsurface deposits is exposed during the operation.

The trash pit will be at least six feet deep and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted "desert tan" or a similar color approved by the Grand Resource Area Manager.

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

This is a former Burton Hancock location and Tenneco is going to drill on the site. The location will be extended some 25 feet to the east where trees (Pinyon-Juniper) will be removed and piled on the east side of the pad. Top soils will be stripped from this area, and wind-rowed along the east side of the pad.

(cont.)

(cont.)

If the well is a producer, Tenneco will pull the berms from each side of the existing road between the county road in Section 15 to where the 1200 foot well access road takes off in Section 28, T. 17 S., R. 25 E. This road will be ditched and drained and a six inch crown built up in the center.

A burn pit will be used for garbage on this location. If the site is not kept clean, a garbage cage will replace the pit and will be used on future sites.

The reservoir will be fenced on three sides during construction, and the fourth side prior to the rig being removed.

During rehabilitation of the site, top soils and trees pushed from the old Burton Hancock location will be pulled back and scattered over the whole area.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

*	2%	Grade	-	200 ft. intervals
	2-4%	Grade	-	100 ft. intervals
	4-5%	Grade	-	75 ft. intervals
	5%	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-40047 Well No 28-2

1. The location appears potentially valuable for:

- ☐ strip mining*
- ☐ underground mining**
- ☒ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for _____ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☐ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

SALT LAKE CITY, UTAH
Signed: Allen L. Vance
APR 7 1967

RECEIVED
U.S. GEOLOGICAL SURVEY
OIL AND GAS OPERATIONS

10 APR 1967

**** FILE NOTATIONS ****

DATE: June 26, 1980

Operator: Tenneco Oil Company

Well No: Winter Camp Unit # 28-2

Location: Sec. 28 T. 17S R. 25E County: Grand

File Prepared: ☐

Entered on N.I.D.: ☒

Card Indexed: ☐

Completion Sheet: ☐

☒ API Number 43-019-30661

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: M.J. Minder 6-30-80

Director: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☒

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 3rd Unit

Plotted on Map ☒

Approval Letter Written ☒ ltm

Unit
approval -
contingent
upon survey
plat

nl PI

June 30, 1980

Tenneco Company
720 South Colorado Boulevard
Denver, Colorado 80222

Re: Well No. Winter Camp Unit #28-2 (Glisson)
Sec. 28, T. 17S, R. 25E.,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. However, approval is contingent upon a surveyor's plat being filed with this office prior to the spudding of this well.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30661.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

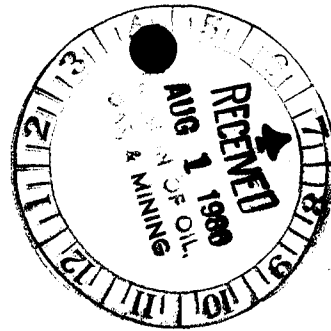
cc: USGS

Tenneco Oil
Exploration and Production

A Tenneco Company

Rocky Mountain Division

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130



July 29, 1980

Mr. Michael T. Minder, Petroleum Engineer
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Well No. Winter Camp Unit #28-2 (Glisson)
Sec. 28, T17S, R25E
Grand County, Utah

Dear Mr. Minder:

As indicated in your letter of June 30, 1980, our approval to drill the above referenced gas well is contingent upon a surveyor's plat being filed with your office prior to spudding of the well. The surveyor's plat you have requested is enclosed.

Very truly yours,

TENNECO OIL COMPANY

R. A. Mishler
Sr. Production Analyst

RAM/rr
Encl.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 8-6-80
BY: *M. T. Minder*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 S. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Spudding/csg. report		

5. LEASE
U - 40049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Glisson

9. WELL NO.
28-2

10. FIELD OR WILDCAT NAME
Und Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T17S, R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5307'gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
9/15/80

Spudded 8 3/4" hole 9/15/80. Set 7" 23# csg. @ 309'. Drill ahead w/6 1/4" bit. Ran 94 jts (3943.84') of 4 1/2" 10.5 # csg. Shoe @ 3921'. Cmt w/375 sxs CL-B w/1.2% NFL. Release rig 9/23/80.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Curly Matheson TITLE Asst. Div. Admin. Mgr DATE September 29, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

DIVISION OF
OIL, GAS & MINING

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1023' FNL 1509' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

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☐
☐

5. LEASE

U-40049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Glisson USA

9. WELL NO.

28-2

10. FIELD OR WILDCAT NAME

Und Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28 T17S; R25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5307 gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/18/80

Frac'd Dakota w/371 bbls 3% acid & 1079 MCFD N₂ & 65,000# 20/40 sand. Sand & acid pumped down tbg & csg. annulus. N₂ pumped down tbg. max pres; 3000 Psi. ATP: 2750 Psi @ 24 BPM, ISIP: 2450 Psi, 5 min SIP: 2300 Psi, 10 min SIP: 2250 Psi, 15 min SIP: 2175 Psi. Ran 8 jts 2-3/8" 4.7# tbg. & landed @ 3137, NDBOP, NUWH, RD.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carley Mathews TITLE Asst Div Adm Mgr DATE 10-22-80

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

DIVISION OF
OIL, GAS & MINING

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
Tenneco Oil Company
3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1023' FNL 1509' Fel
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
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☐
☐

5. LEASE
U-40049
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Glisson USA
9. WELL NO.
28-2
10. FIELD OR WILDCAT NAME
Und. Palmer
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28 T17S, R25E
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5307' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
- 10/11/80 MIRUSU. RIH w/2-3/8" tbg. PT csg. to 4000 Psi for 15 mins. Held OK. Ran 40 jts. of 2-3/8" tbg. Run 2-7/8" tbg to PBTD @ 3780. Circ'd hole w/2% KCL water. Perf'd Morrison 3624-30', 3550-59', 3539-47'. Set 4 1/2" tension pkr @ 3450 w/ F-nipple 1 jt. above pkr. Acidized Morrison w/750 gals 7 1/2% MSR acid. Max. pres: 3/4 BPM @ 3500 Psi. AIP: 2000 Psi @ 4 BPM. Pulled out w/2-3/8" tbg. Set CIBP on WL @ 3500' Perf'd Dakota 3114-30 (2JSPF). RIH w/2-3/8" tbg., 1.81" F-nipple and 4 1/2" tension pkr. Set pkr @ 3000'. Acidized Dakota w/500 gals 7 1/2% MSR acid & 45 balls. Max pres: 3500 Psi @ 3BPM. Max. rate: 5 BPM @ 2000 Psi. ISIP: 1500 Psi, 15 min. SIP: 600 Psi. Released pkr. POOH w/pkr. RIH w/2-3/8" tbg & 1.81" F-nipple. Set tbg @ 2850' w/blast jt. opposite csg. annulus valve.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carley Hutton TITLE Asst. Div Adm Mgr DATE 10-22-80

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Tenneco

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, Colo 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1023' FNL 1509' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒
(other)

SUBSEQUENT REPORT OF:

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5. LEASE

U-40049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Glisson USA

9. WELL NO.
28-2

10. FIELD OR WILDCAT NAME
Und. Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 28, T17S, R25E

12. COUNTY OR PARISH 13. STATE
Grand Utah

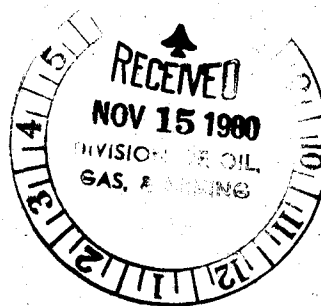
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5307' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Tenneco proposes to temporarily abandon the Glisson 28-2 because of low production potential.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Curley Stathern TITLE Asst. Div. Adm. Mgr DATE December 9, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1023' FNL, 1509' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE
U-40049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Glisson USA

9. WELL NO.
28-2

10. FIELD OR WILDCAT NAME
Und. Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 28, T17S, R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5307' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

2/10/81. Tenneco proposes to plug and abandon the Glisson USA 28-2 per the attached detailed procedure.

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**

DATE: 3-30-81

BY: M. J. Minder

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carolyn Hatten TITLE Asst. Div. Adm. Mgr. DATE 2/17/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

LEASE Glisson

WELL NO. 28-2

7 "OD, 23 LB, CSG.W/ SX
TOC @ .

4-1/2 "OD, 10.5 LB, CSG.W/ 375 SX
TOC @ 2575'.

DETAILED PROCEDURE

1. MIRUSU & POOH w/tbg. Install BOPE.
2. Set Baker Model K cmt retainer @2900'. Load hole w/water.
3. Sting into ret. & squeeze perfs w/50 sxs class G displace cmt to retainer.
4. PU 1 jt & circ hole w/9# mud.
5. Cut 4-1/2" csg @2500' & pull.
6. RIH w/tbg & set 50 sx plug @4-1/2" stub. PU & set surface plug from 350' to surface (± 70 sx).
7. Cut off surface csg & set P&A marker

7" @
309'

CIBP @
3500'

4-1/2" @
3921'

3114

3130

3539'
3559'

3624'
3630'

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Tenneco Oil Co.

WELL NAME: Winter Camp Unit #28-2

SECTION 28 TOWNSHIP 17S RANGE 25E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: _____

CASING PROGRAM:

7", 23#, @ 309'

4½", 10.5# @ 3921' TOC 2575'

FORMATION TOPS:

Perfs: 3624-30', 3550-59, 3539-47 Morr.
3114-30'

PLUGS SET AS FOLLOWS:

Previously set plugs:

3500' set CIBP

- 1) Set retainer at 2900 square 50 sx
CIG, displace cmt. on top
- 2) Part 4½" csg. @ 2500 set 50 sx plug
across stub
- 3) 350'-surface

Place 9.+# fresh water gel based abandon-
ment mud between plugs; clean, restore and
regrade site, erect regulation dryhole marker.

DATE 3-30-81

SIGNED MTM

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1023' FNL 1509' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☒

5. LEASE

U 40049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Glisson USA

9. WELL NO.

28-2

10. FIELD OR WILDCAT NAME

Undesignated Palmer

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28, T17S R25E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5307' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/18/81 - Tenneco has plugged and abandoned the above referenced well as follows: squeezed perfs 3114-3130' w/50 sx Class G cmt. Pick up 1 jt and circ hole w/9# mud. Cut 4-1/2" csg. Recoverd 2500'. POOH. Set a 50 sk cmt plug from 2300-2600' (covering 4-1/2" stub). Pull up and set a 70 sk cmt plug from 350' surface. Cut off surface csg. Set P & A marker. Grade, clean, restore and reseed surface per USGS requirements.

RECEIVED
MAY 29 1981

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Carley Walker

TITLE Asst. Div. Adm. Mgr.

DATE 5/21/81

(This space for Federal or State Office Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

June 12, 1981

Tenneco Company
720 South Colorado Boulevard
Denver, Colorado 80222

Re: Well No. Winter Camp Unit #28-2 (Glisson)
Sec. 28, T. 17S, R. 25E
Grand County, Utah

Gentlemen:

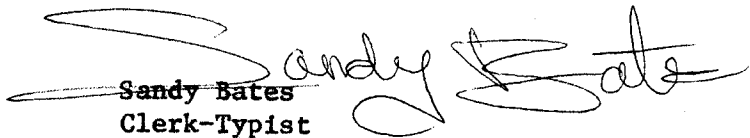
This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

MAY 20 1981

Form approved.
Budget Bureau No. 42-R355.5.

2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input checked="" type="checkbox"/>	Other <u>Plug & Abandon</u>
2. NAME OF OPERATOR Tenneco Oil Company							
3. ADDRESS OF OPERATOR P. O. Box 3249, Englewood, CO 80155							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1023' FNL, 1509' FEL At top prod. interval reported below At total depth <div style="text-align: center;">NW NE DIVISION OF OIL, GAS & MINING</div>							
14. PERMIT NO.		DATE ISSUED					
43-09-30661		6-30-80					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD		
9/15/80	9/23/80	5/19/81	5307' gr.		-		
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
3925'	3500' (CIBP)	-	→	0' - TD	-		
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL SURVEY MADE		
None					No		
26. TYPE ELECTRIC AND OTHER LOGS RUN ACB/GR CNFD DI/SFL					27. WAS WELL CORED No		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
7"	23#	309'	8-3/4"	200sx Class B w/2% CACL2			
4-1/2"	10.5#	3925'	6-1/4"	375sx Class B w/1.2% NFL-2			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					None		
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
3114-30' 2 JSPF 16' 32 holes (squeezed off)				DEPTH INTERVAL (MD)			
3539-47' 2 JSPF 23' 46 holes				AMOUNT AND KIND OF MATERIAL USED			
3550-59' CIBP set @ 3500'				3114-30' (squeeze) 50sx Class G			
3624-30'				3114-30' (acid) 500 gals 7-1/2% MSR 45 balls			
				3539-3630' (acid) 750 gals 7-1/2% MSR			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
None		Not producing			Plugged & Abandoned		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/3/80	24 hrs.		→	3	0	65	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	300 PSI	→	3	0	65		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Electric Logs forwarded by Schlumberger and OWP							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Curly Stathos</u>		TITLE <u>Asst. Div. Adm. Mgr.</u>		DATE <u>5/20/81</u>			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, for both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota Silt	3015	3085	Sand			
Dakota	3085'	3290'	Water, some oil	Mancos	Surface	
Morrison	3290'	3540'	Water	Frontier	2765'	
Morrison (SW)	3540'	3875'	Salt wash, water			
Entrada	3875'	3925'				

July 31, 1981

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Glisson USA Winter Camp
Unit 28-2
Sec. 28, T. 17S, R. 25E
Grand County, Utah

Well No. Reinauer 1-5
Sec. 1, T. 17S, R. 24E
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 5-20-81 and 6-25-81 respectively, from above referred to wells indicates the following electric logs were run: ACB/GR, CNFC, DI/SFL (Winter Camp Unit 28-2); CDFD, DI/SFL, ACB/GR (Reinauer 1-5). As of today's date this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

/lm



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 14, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Glisson USA Winter
Camp Unit #28-2
Sec. 28, T. 17S, R. 25E.
Grand County, Utah

Gentlemen:

Our office contacted you on July 31, 1981, requesting that you send in the electric logs for the above referred to well.

According to our records, a "Well Completion Report" filed with this office May 20, 1981 from above referred to wells, indicates the following electric logs were run: ACB-GR, CNFC, DI-SFL. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

****You are in violation of the above rule. If we do not receive the above logs within fifteen (15) days, we will turn this file over to the Attorney at the Division of Oil, Gas and Mining for legal action and we will not approve any more applications from your company.**

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

P&A

June 14, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

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Camp Unit #28-2
Sec. 28, T. 17S, R. 25E.
Grand County, Utah

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Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

RECEIVED

JUN 24 1982

DIVISION OF
OIL, GAS & MINING